

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2003-313119

(43)Date of publication of application : 06.11.2003

(51)Int.Cl.

A61K 9/14

A61K 9/08

A61P 27/02

(21)Application number : 2003-043585

(71)Applicant : SANTEN PHARMACEUT CO LTD

(22)Date of filing : 21.02.2003

(72)Inventor : KUWANO MITSUAKI  
YAMADA KAZUTO

(30)Priority

Priority number : 2002046355 Priority date : 22.02.2002 Priority country : JP

(54) DRUG DELIVERY SYSTEM FOR SUBCONJUNCTIVAL ADMINISTRATION OF FINE PARTICLE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an excellent drug delivery system to eye posterior portions.

SOLUTION: A subconjunctival injection contains fine particles containing a medicine and can transfer the medicine to the eye posterior portions. The administration of the fine particles containing the medicine enables the efficient delivery of the medicine to the eye posterior portions (retina, choroidea, optic nerve) in a state hardly damaging ocular tissues. The fine particles are preferably formed from a synthetic biodegradable polymer, have an average particle diameter of 50 nm to 150  $\mu$ m, and contain the medicine homogeneously dispersed in the fine particles. The medicine is preferably an anti-inflammatory agent, an immunosuppresant, an antiviral agent, an anticancer agent, a neovascularization inhibitor, an optic nerve protector, an antibacterial agent or an antifungal agent.

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office